

FIG. 1

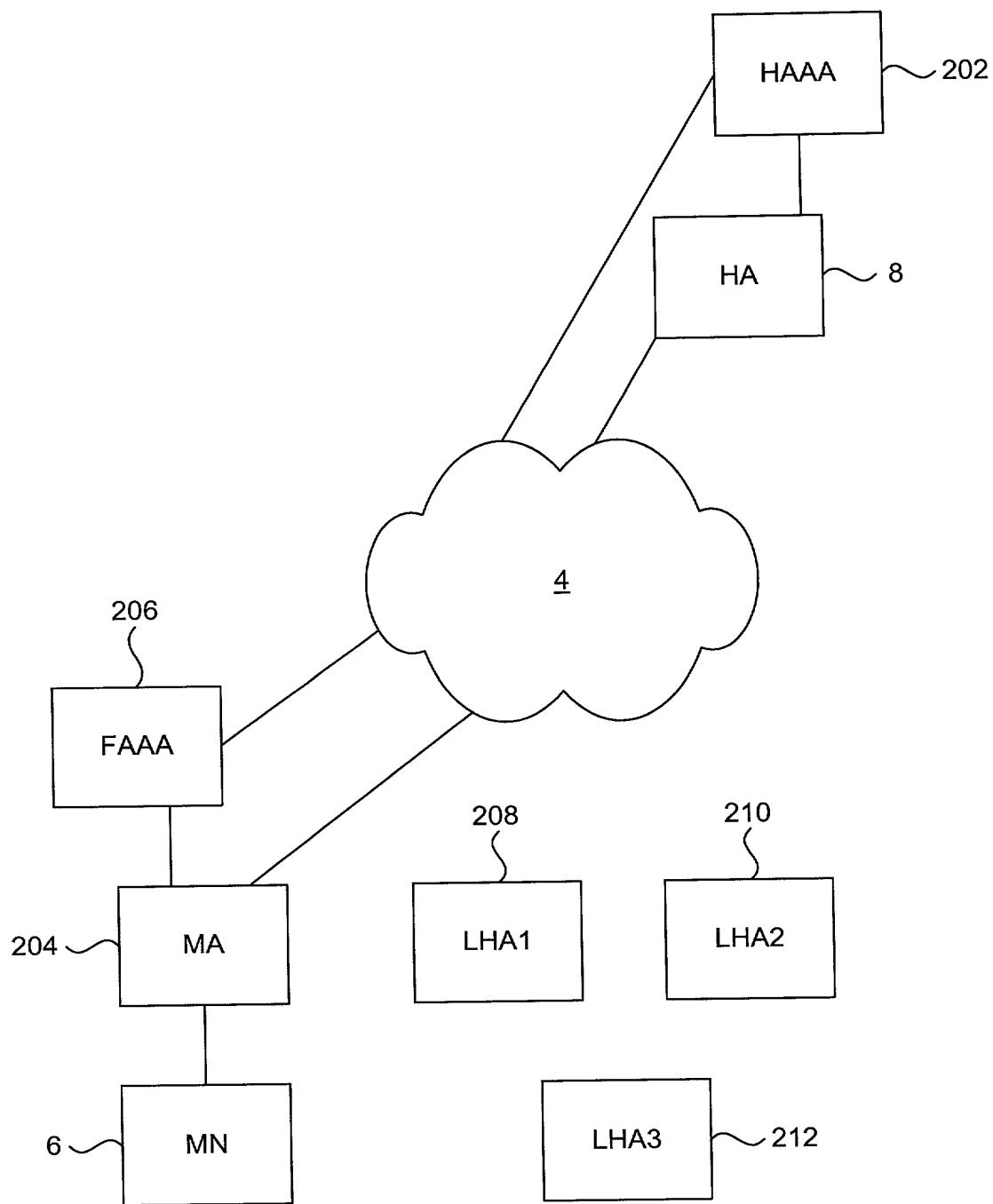


FIG. 2

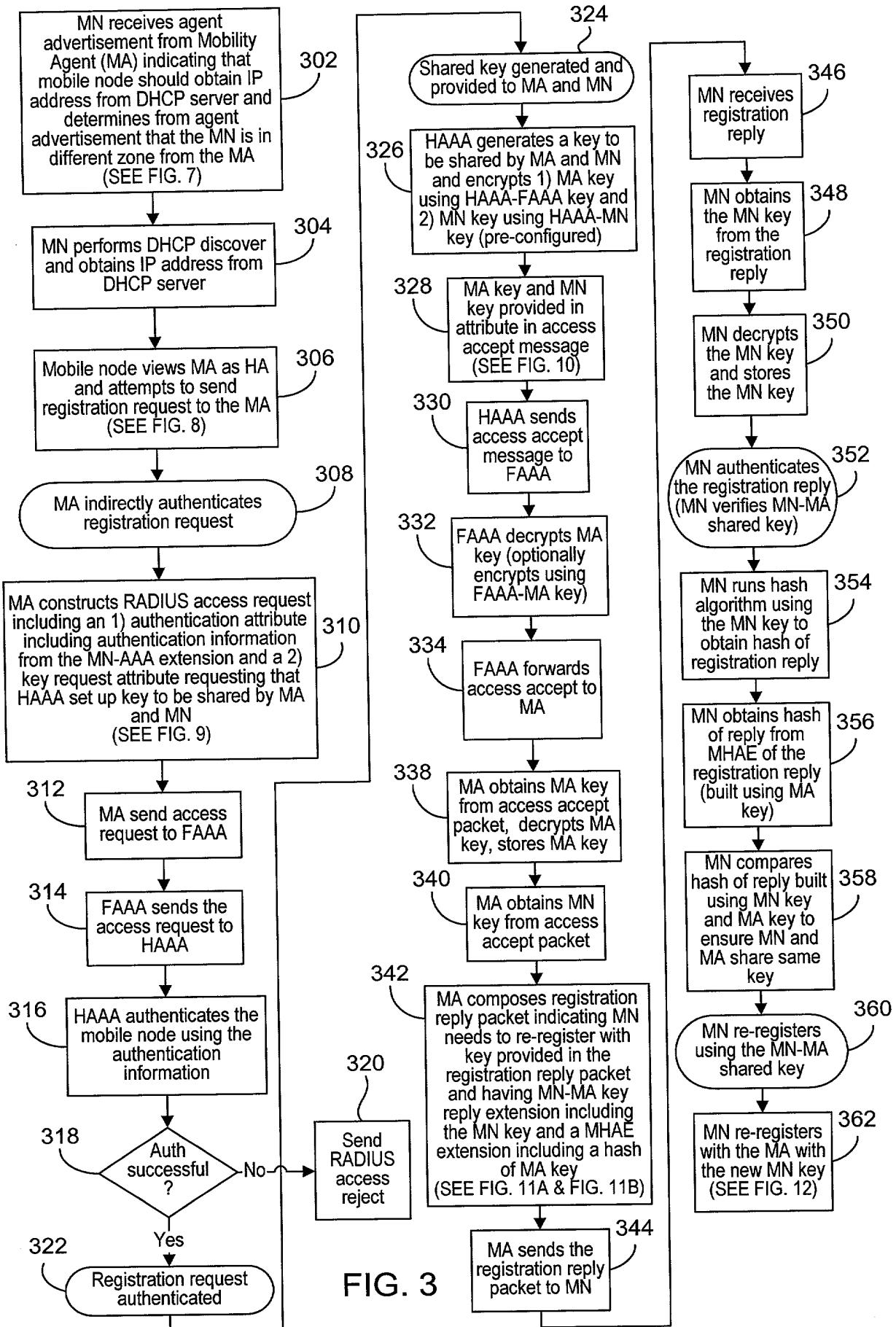


FIG. 3

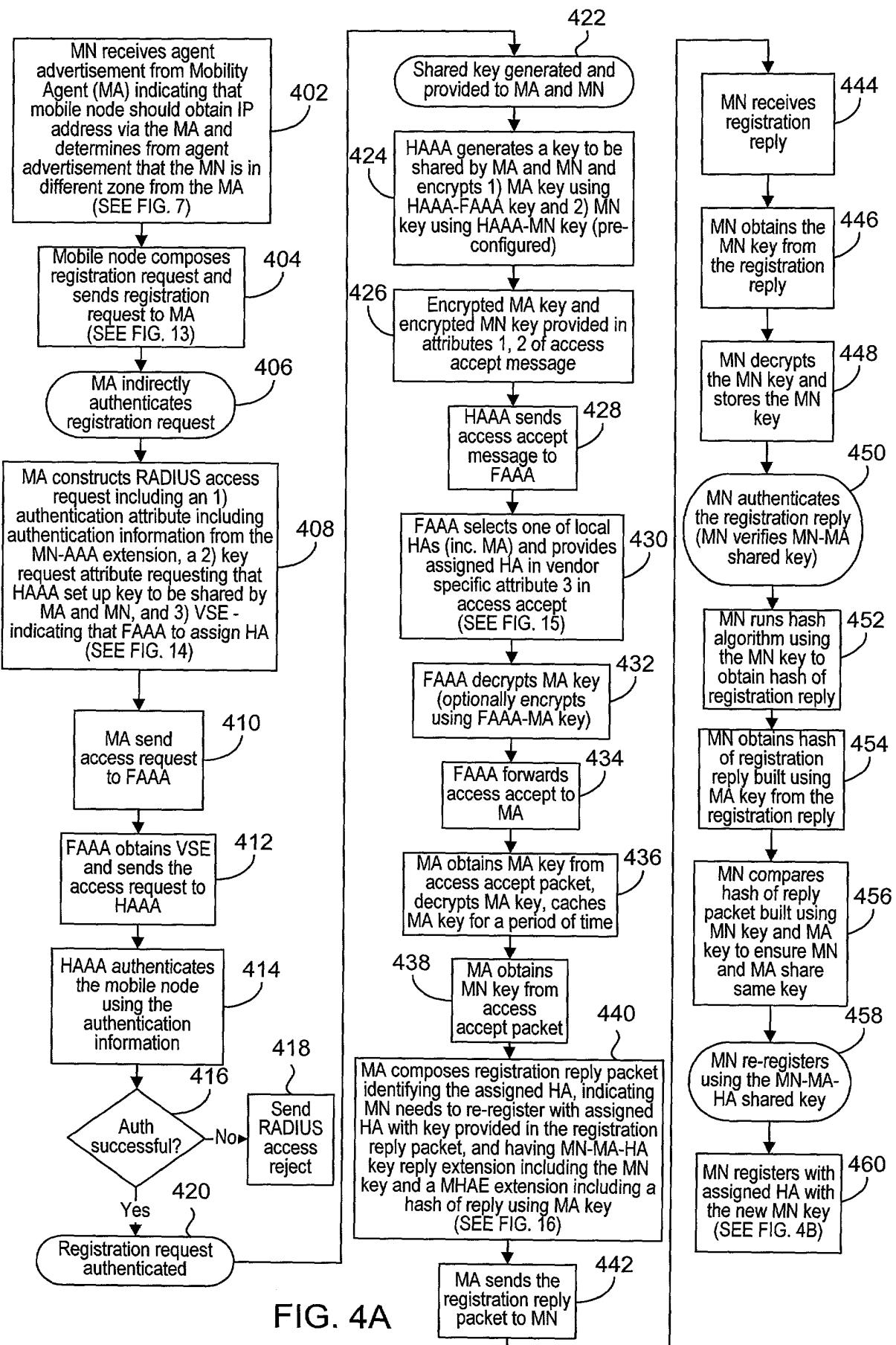
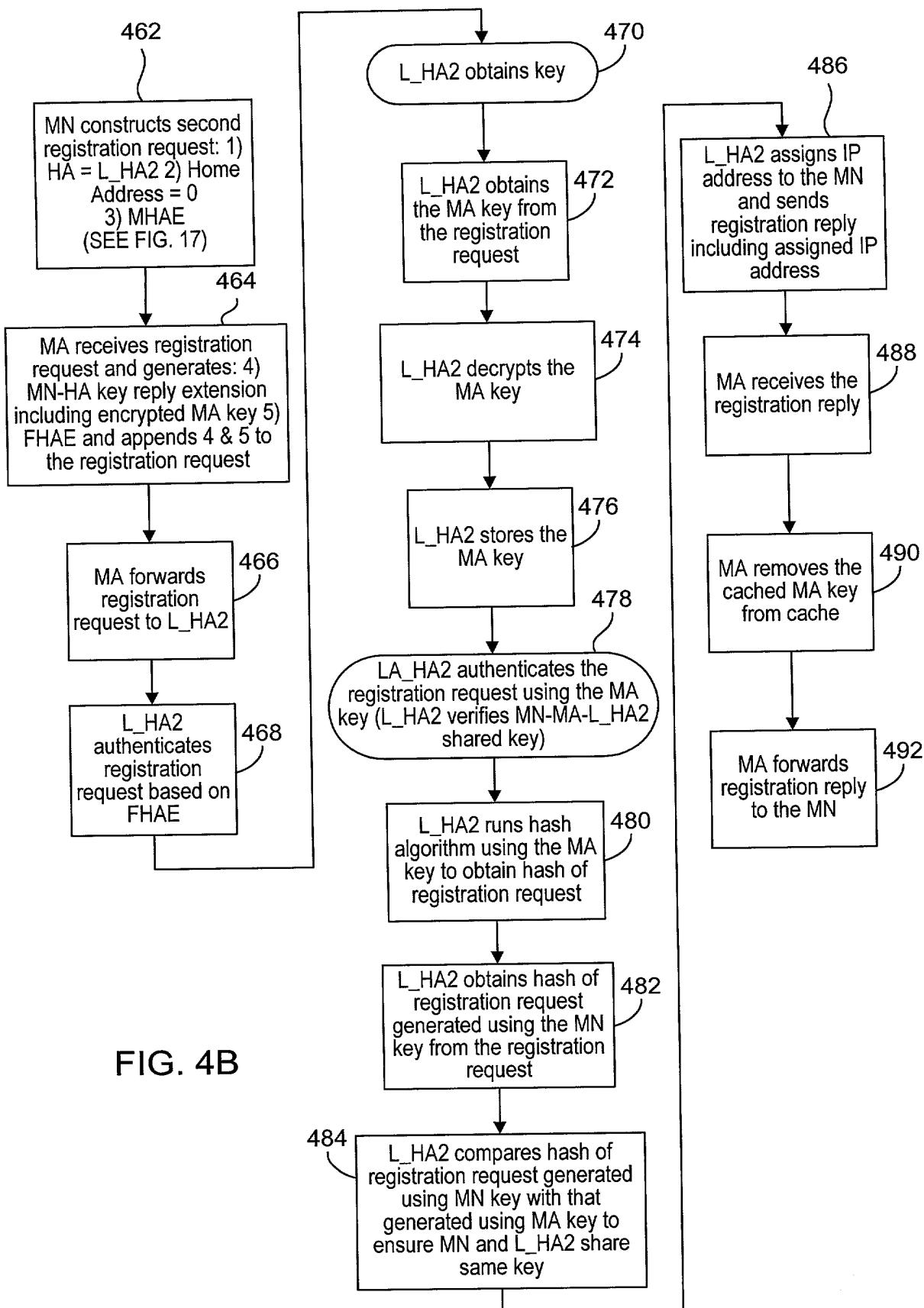


FIG. 4A



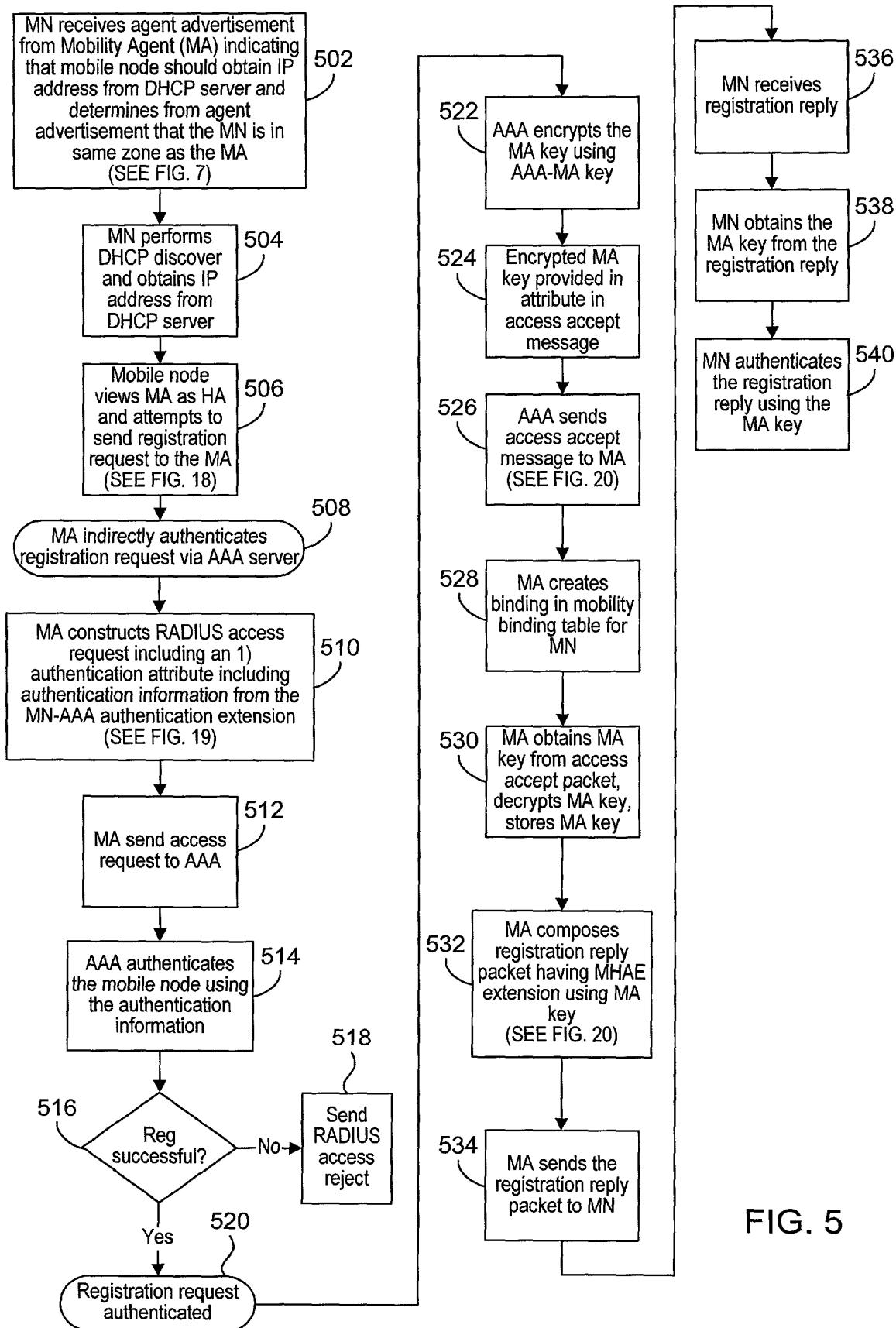


FIG. 5

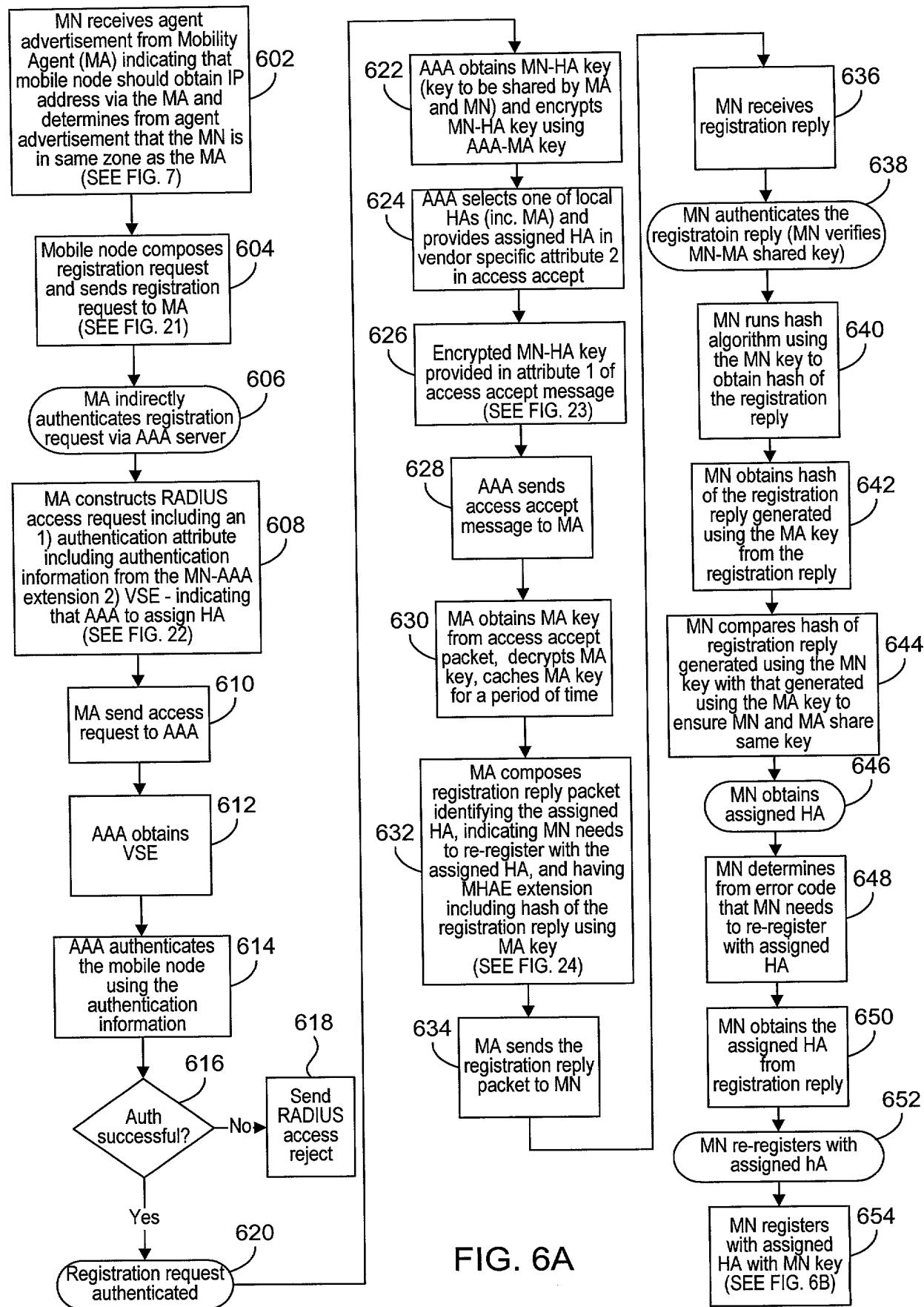
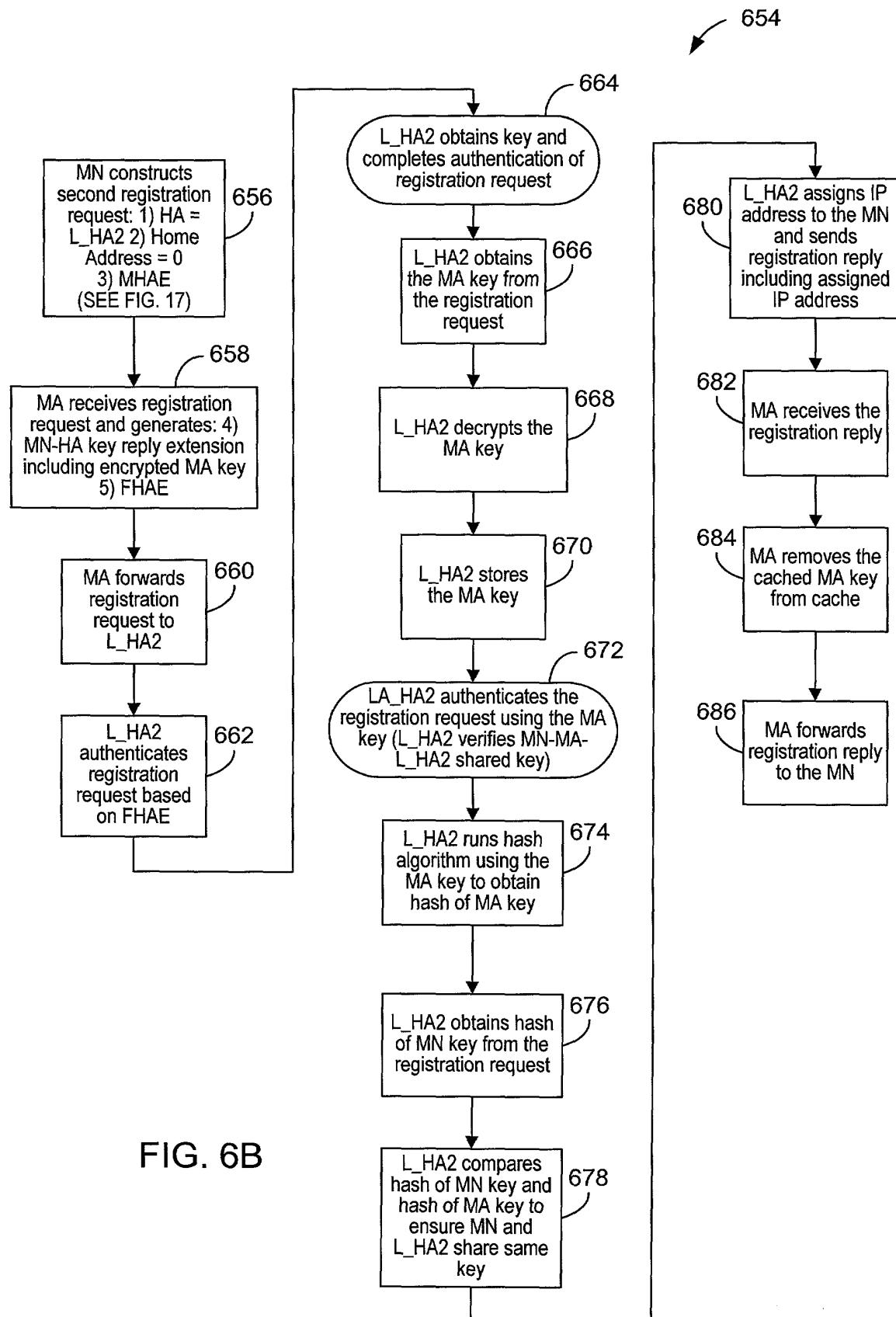


FIG. 6A



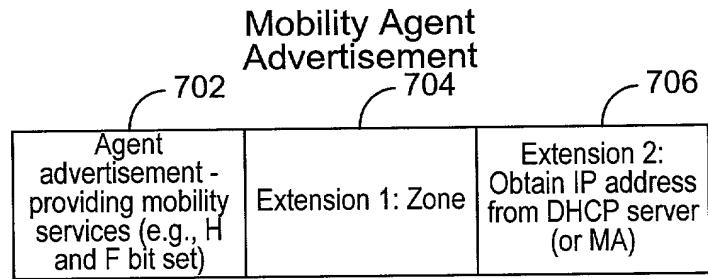


FIG. 7

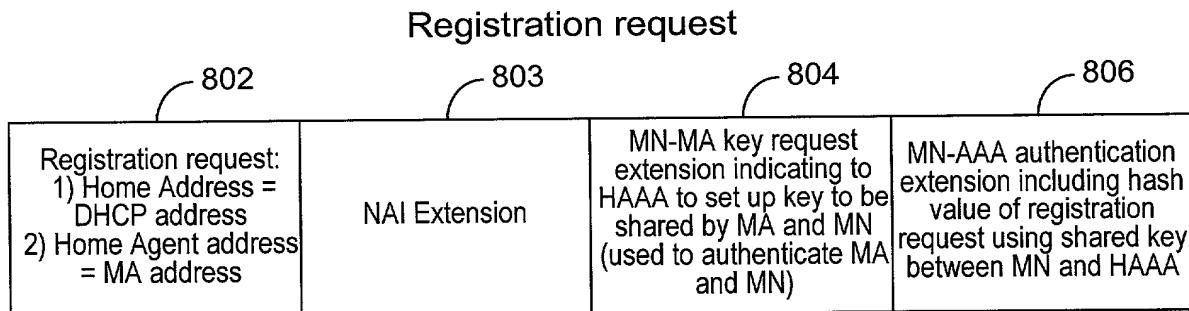


FIG. 8

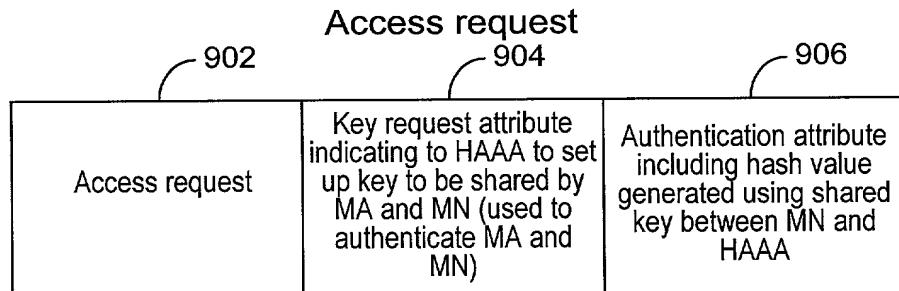


FIG. 9

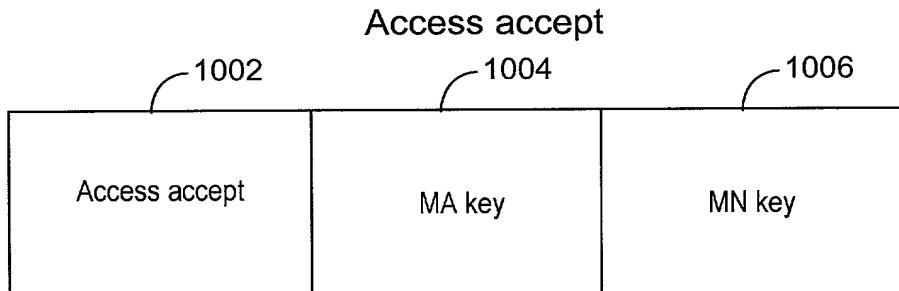


FIG. 10

Registration reply

1102	1104	1106	1108
Registration reply	Vendor specific extension: indicate that mobile node needs to obtain MN key to authenticate message and re-register with the MN key	Key reply extension: MN key	MHAE including hash of reply using the MA key

FIG. 11A

Registration reply

1110	1106	1108
Registration reply Error code (e.g., 0 indicating registration successful, new key error code indicating that the mobile node needs to obtain MN key and re-register with the MN key)	Key reply extension: MN key	MHAE including hash of reply using the MA key

FIG. 11B

Registration request

1202	803	1204
Registration request: 1) Home Address = DHCP address 2) Home Agent address = MA address	NAI Extension	MHAE authentication extension including hash value generated using the MN key shared by the MN and the MA

FIG. 12

Registration request

1302	1308	1304	1306
Registration request: 1) Home Address = 0 2) Home Agent address = 0 indicating load balancing desired	NAI extension including mobile node identifier	MN-MA key request extension indicating to HAAA to set up key to be shared by MA and MN (used to authenticate MA and MN)	MN-AAA authentication extension including hash value generated using shared key between MN and HAAA

FIG. 13

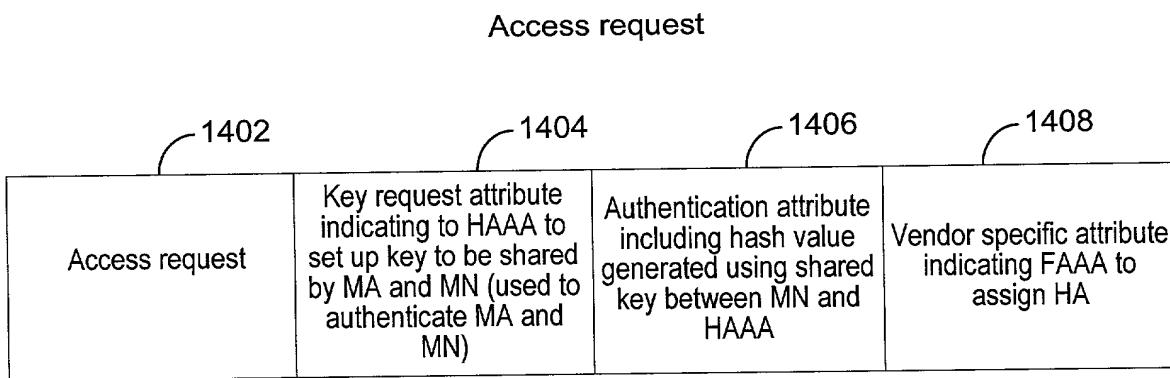


FIG. 14

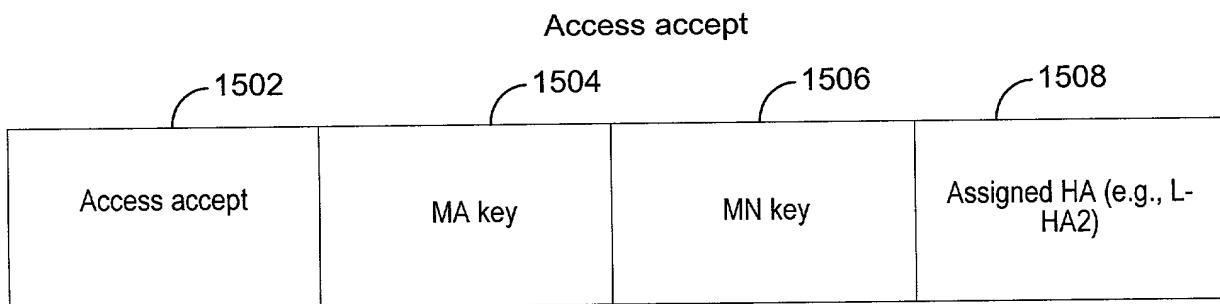


FIG. 15

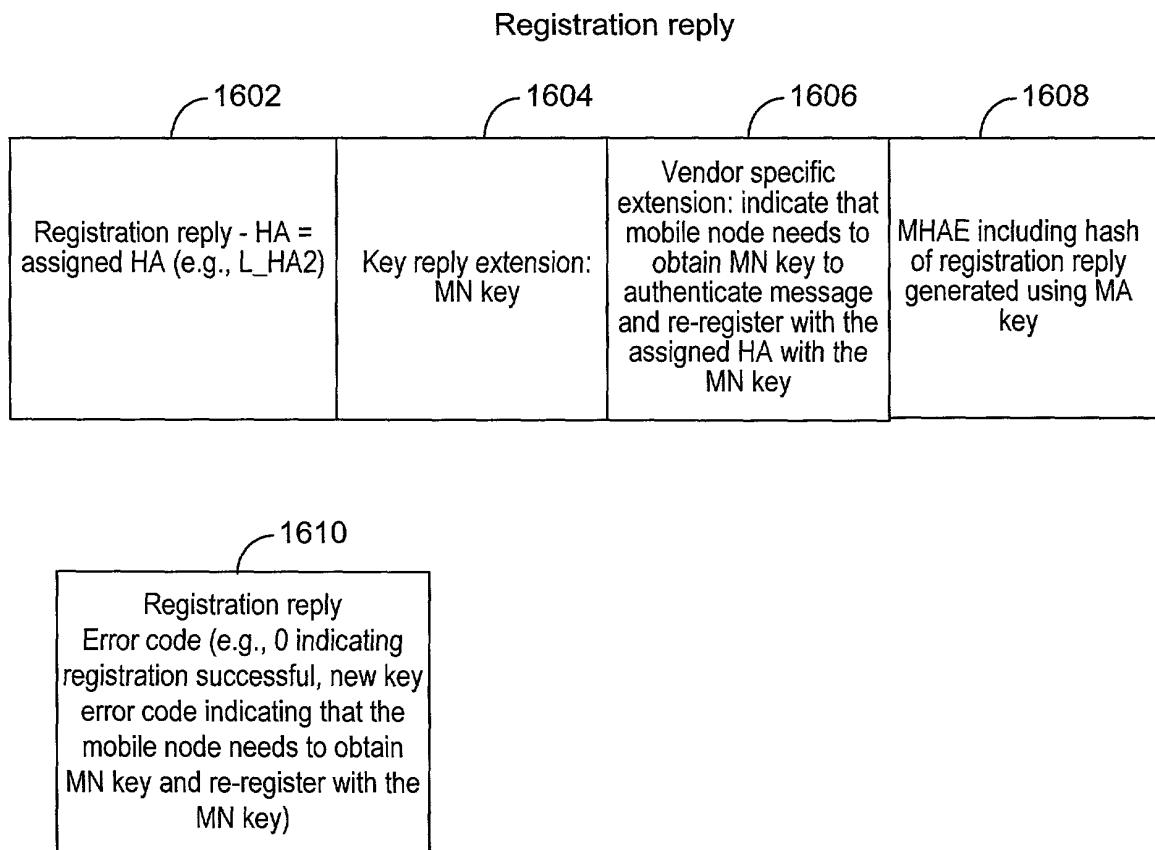


FIG. 16

Registration request

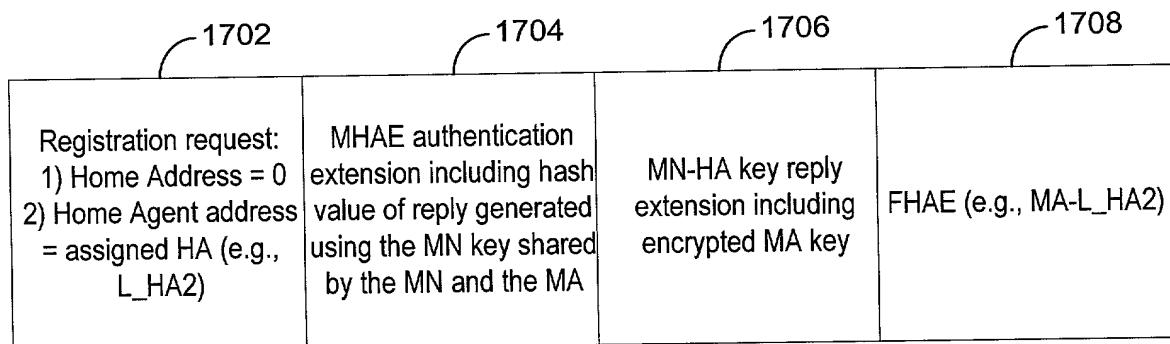


FIG. 17

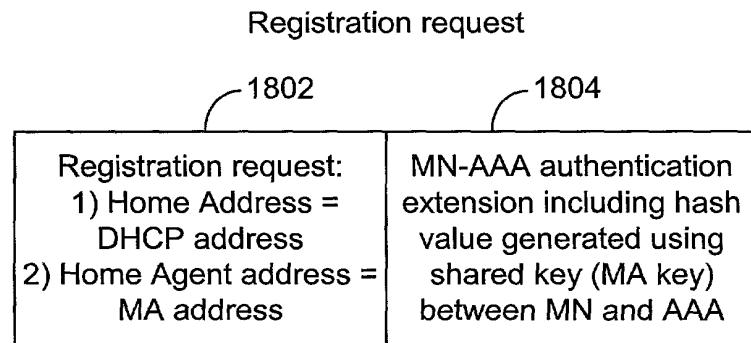


FIG. 18

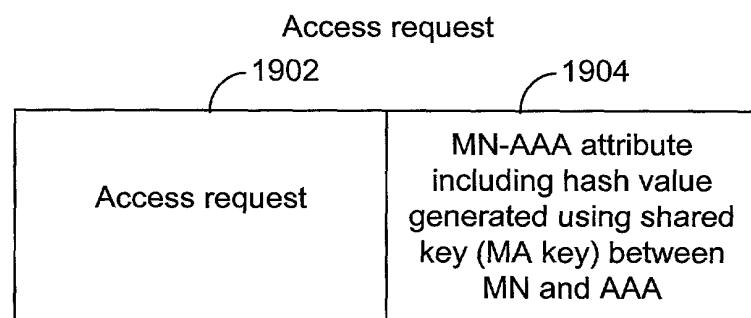


FIG. 19

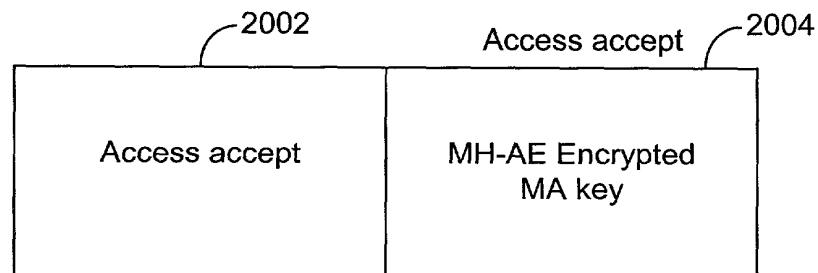


FIG. 20

Registration request

2102	2106	2104
<p>Registration request: 1) Home Address = 0 2) Home Agent address = 0 indicating load balancing desired</p>	<p>NAI extension including mobile node identifier</p>	<p>MN-AAA authentication extension including hash value generated using the shared key between MN and AAA</p>

FIG. 21

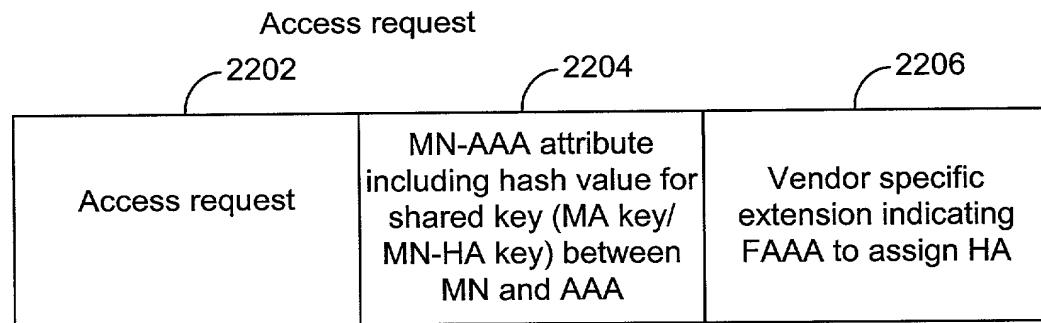


FIG. 22

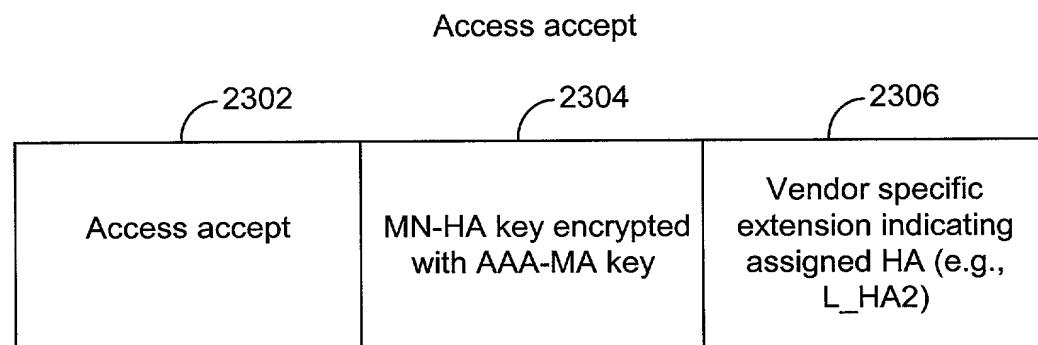


FIG. 23

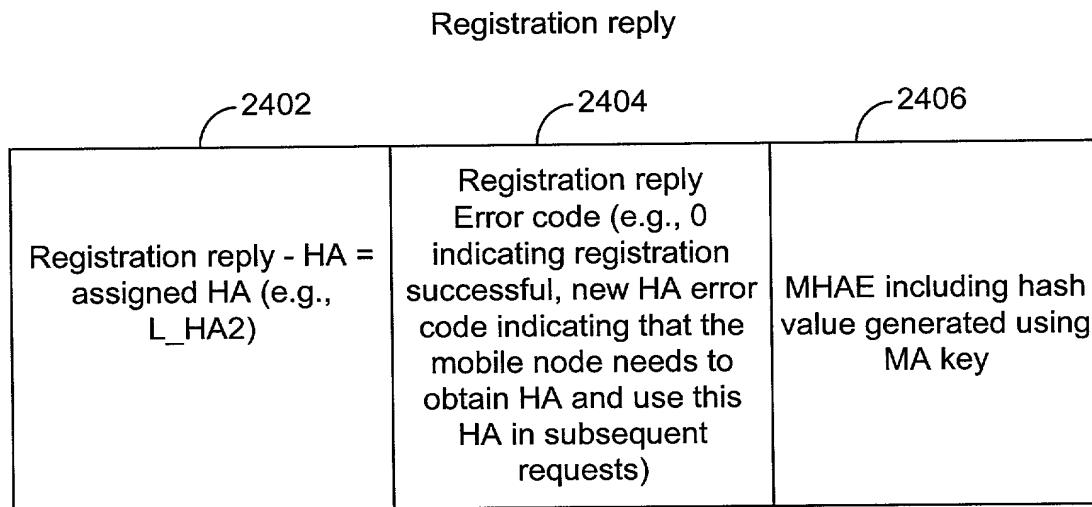


FIG. 24

